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Product datasheet for SC205379

EPM2A (NM_001018041) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	EPM2A (NM_001018041) Human 3' UTR Clone
Symbol:	EPM2A
Synonyms:	EPM2; MELF
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001018041
Insert Size:	420 bp
Insert Sequence:	>SC205379 3'UTR clone of NM_001018041 The sequence shown below is from the reference sequence of NM_001018041. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC GCAGCTAGCCAGGACACATTTCCACTATAATTTTACAAAGTTAAATTTATAAGCTAGCATTAAGTAAAG TGAAGTCCAGCTCCCTTGCTAAAAATAACTAGAGGTAATAATTGGTATTCAGGTAACTCATTTACAGTC ATAATGTGTTGTGAAAATTTAATCTTAAAAATTAAATTTTTAAACTATGTGGGTCTGTGAATTTCTTTA ATGTCTAAGAAATCCAGCTTCATAATTTCCATGATACAAAGATCTTTTTTCAGGTGGATTTTTACCTTT GTTCCTTTTGCTCTGATAGACAAAATCAGTTTAGGACTATTAAAGAATGTTTTGGAATAAACTGTCTTT TTCCTCAATGAATGGGATGTCTAATGTATTTCAAAATCACCCAAAACTTTTGGCAAATAAAAGCATTTA AAAAGA ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG
Restriction Sites:	SgfI-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

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RefSeq:	NM_001018041.2
Summary:	This gene encodes a dual-specificity phosphatase and may be involved in the regulation of glycogen metabolism. The protein acts on complex carbohydrates to prevent glycogen hyperphosphorylation, thus avoiding the formation of insoluble aggregates. Loss-of-function mutations in this gene have been associated with Lafora disease, a rare, adult-onset recessive neurodegenerative disease, which results in myoclonus epilepsy and usually results in death several years after the onset of symptoms. The disease is characterized by the accumulation of insoluble particles called Lafora bodies, which are derived from glycogen. [provided by RefSeq, Jan 2018]
Locus ID:	7957
MW:	16.2